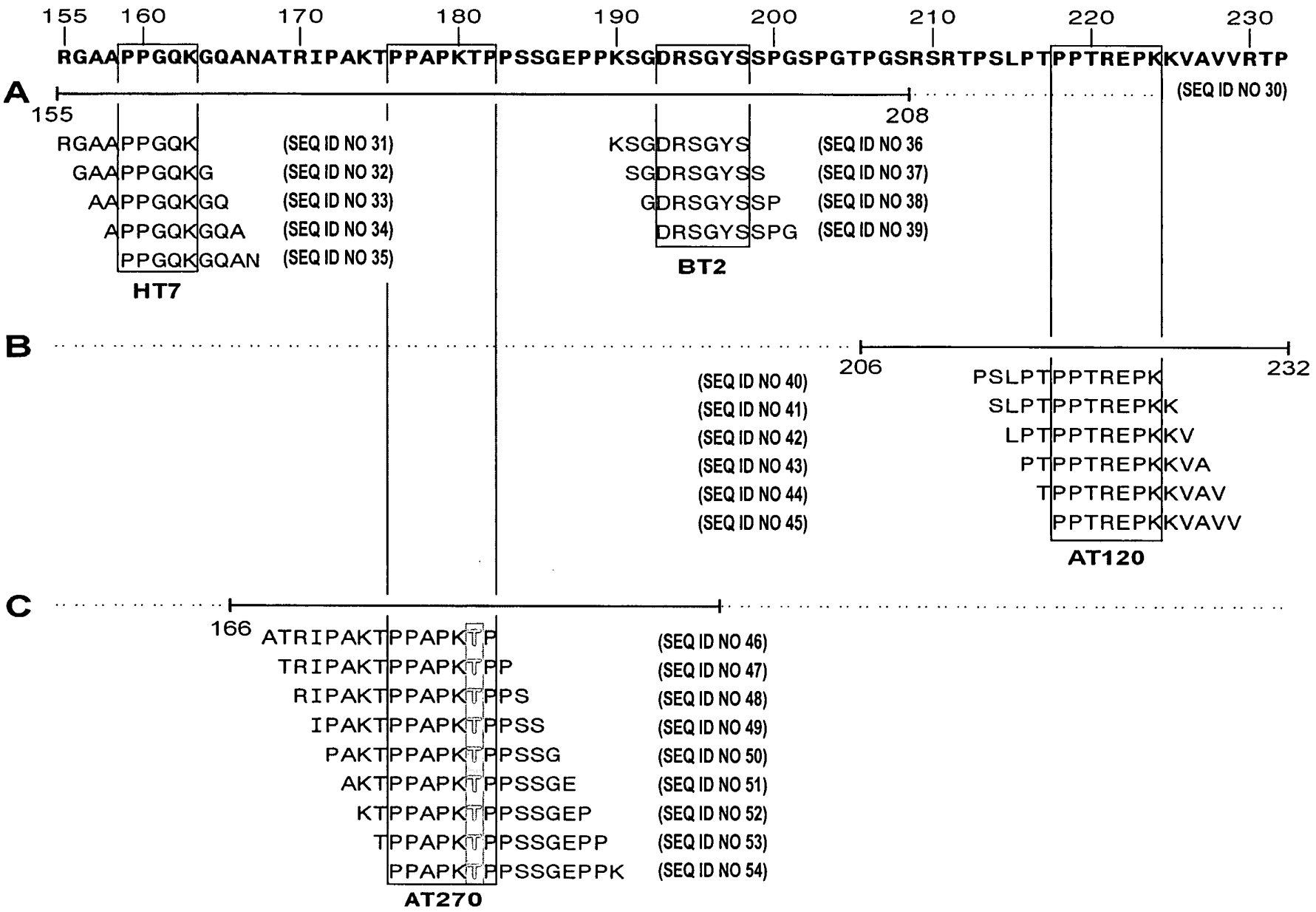
155 160 170 180 190 200 210 220 230
RGAAPPGQKGQANATRIPAKTPPAPKTPPSSGEPPKSGDRSGYSSPGSPGTPGSRSRTPSLPTPPTREPKKVAVVRTP
A
155
208
(SEQ ID NO 30)
RGAAPPGQK (SEQ ID NO 31)
GAAPPGQKG (SEQ ID NO 32)
AAPPGQKGQ (SEQ ID NO 33)
APPGQKGQA (SEQ ID NO 34)
PPGQKGQAN (SEQ ID NO 35)
HT7
KSGDRSGYS (SEQ ID NO 36
SGDRSGYSS (SEQ ID NO 37)
GDRSGYSSP (SEQ ID NO 38)
DRSGYSSPG (SEQ ID NO 39)
BT2
B
206
232
(SEQ ID NO 40)
(SEQ ID NO 41)
(SEQ ID NO 42)
(SEQ ID NO 43)
(SEQ ID NO 44)
(SEQ ID NO 45)
PSLPTPPTREPK
SLPTPPTREPKK
LPTPPTREPKKV
PTPPTREPKKVA
TPPTREPKKVAV
PPTREPKKVAVV
AT120
C
166
ATRIPAKTPPAPKTP (SEQ ID NO 46)
TRIPAKTPPAPKTPP (SEQ ID NO 47)
RIPAKTPPAPKTPPS (SEQ ID NO 48)
IPAKTPPAPKTPPSS (SEQ ID NO 49)
PAKTPPAPKTPPSSG (SEQ ID NO 50)
AKTPPAPKTPPSSGE (SEQ ID NO 51)
KTPPAPKTPPSSGEP (SEQ ID NO 52)
TPPAPKTPPSSGEPP (SEQ ID NO 53)
PPAPKTPPSSGEPPK (SEQ ID NO 54)
AT270

Figure 1

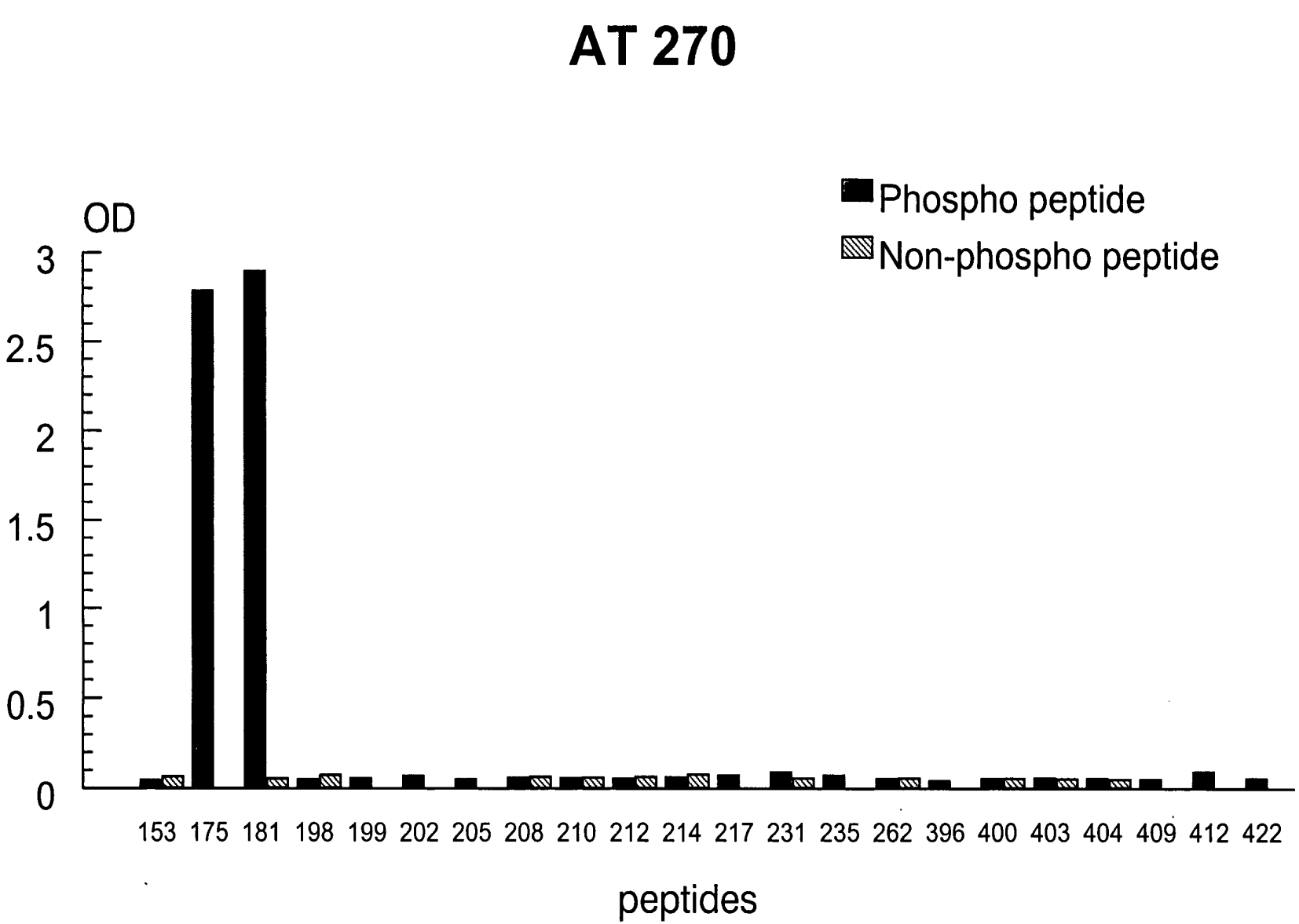
AT 270
Phospho peptide
Non-phospho peptide
OD
3
2.5
2
1.5
1
0.5
0
153 175 181 198 199 202 205 208 210 212 214 217 231 235 262 396 400 403 404 409 412 422
peptides

Figure 2

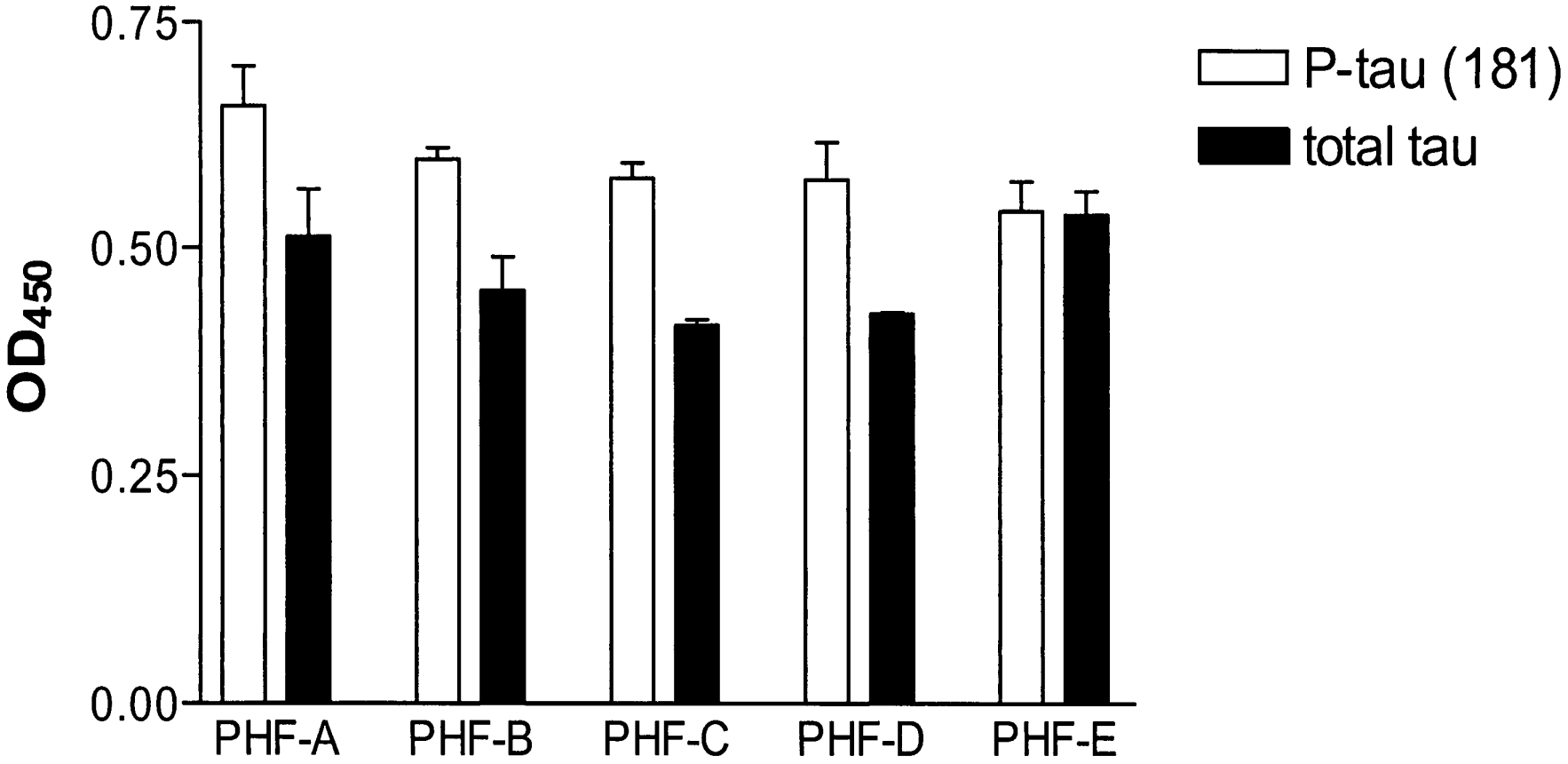
0.75
0.50
0.25
0.00
OD450
PHF-A
PHF-B
PHF-C
PHF-D
PHF-E
P-tau (181)
total tau

Figure 3

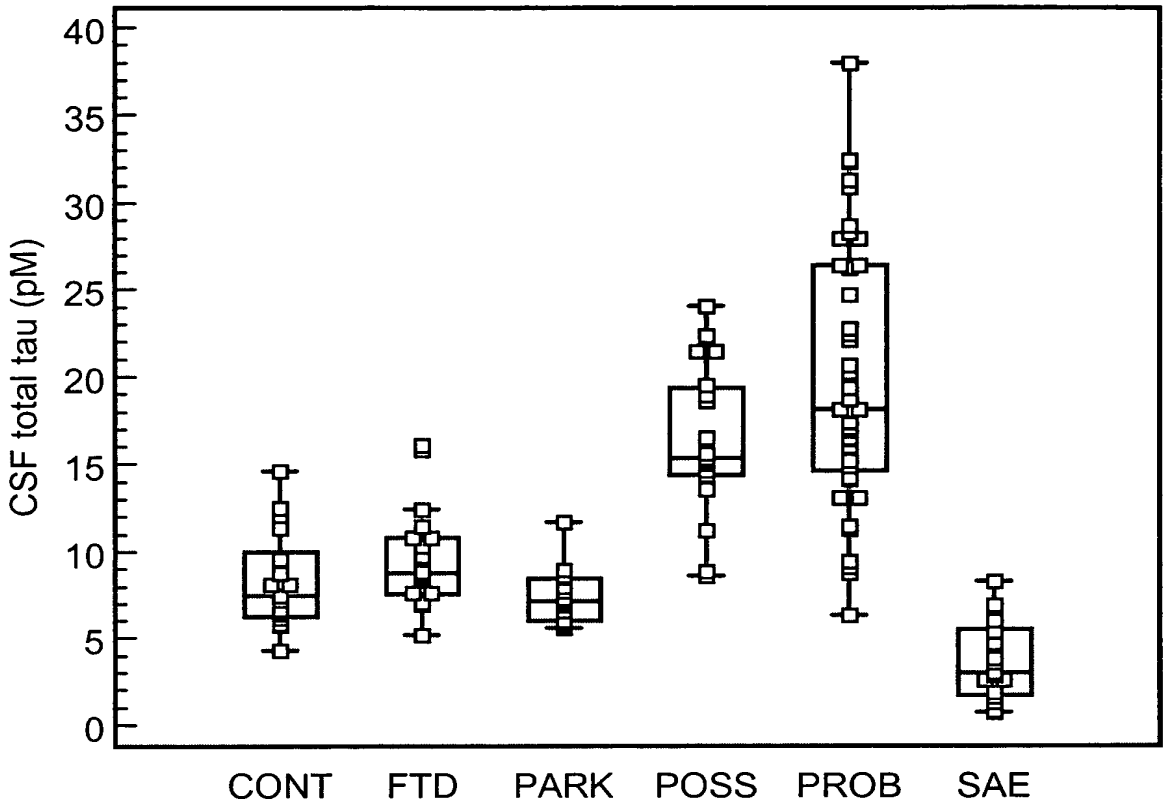
CSF total tau (pM)
40
35
30
25
20
15
10
5
0
CONT
FTD
PARK
POSS
PROB
SAE

Figure 4

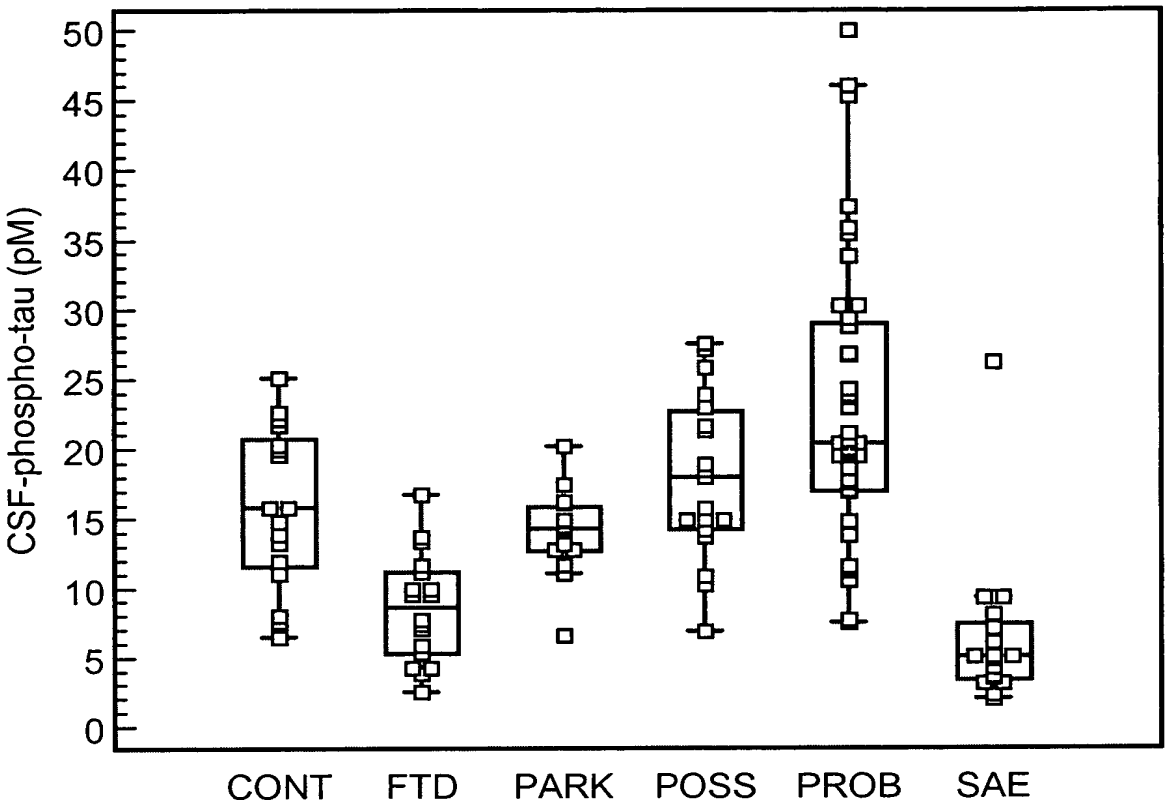
CSF-phospho-tau (pM)
50
45
40
35
30
25
20
15
10
5
0
CONT
FTD
PARK
POSS
PROB
SAE

Figure 5

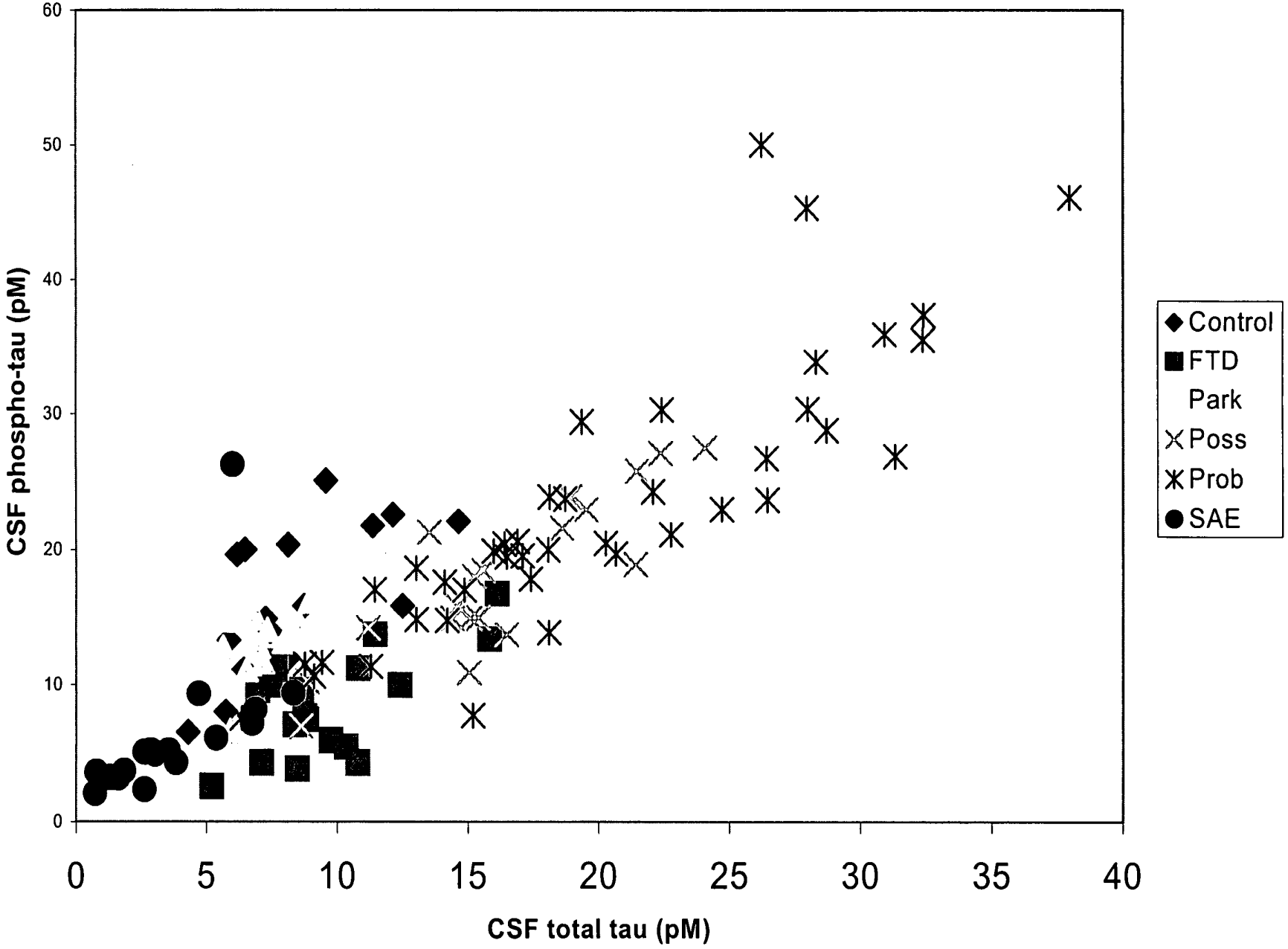
60
50
40
30
20
10
0
CSF phospho-tau (pM)
0
5
10
15
20
25
30
35
40
CSF total tau (pM)
Control
FTD
Park
Poss
Prob
SAE

Figure 6

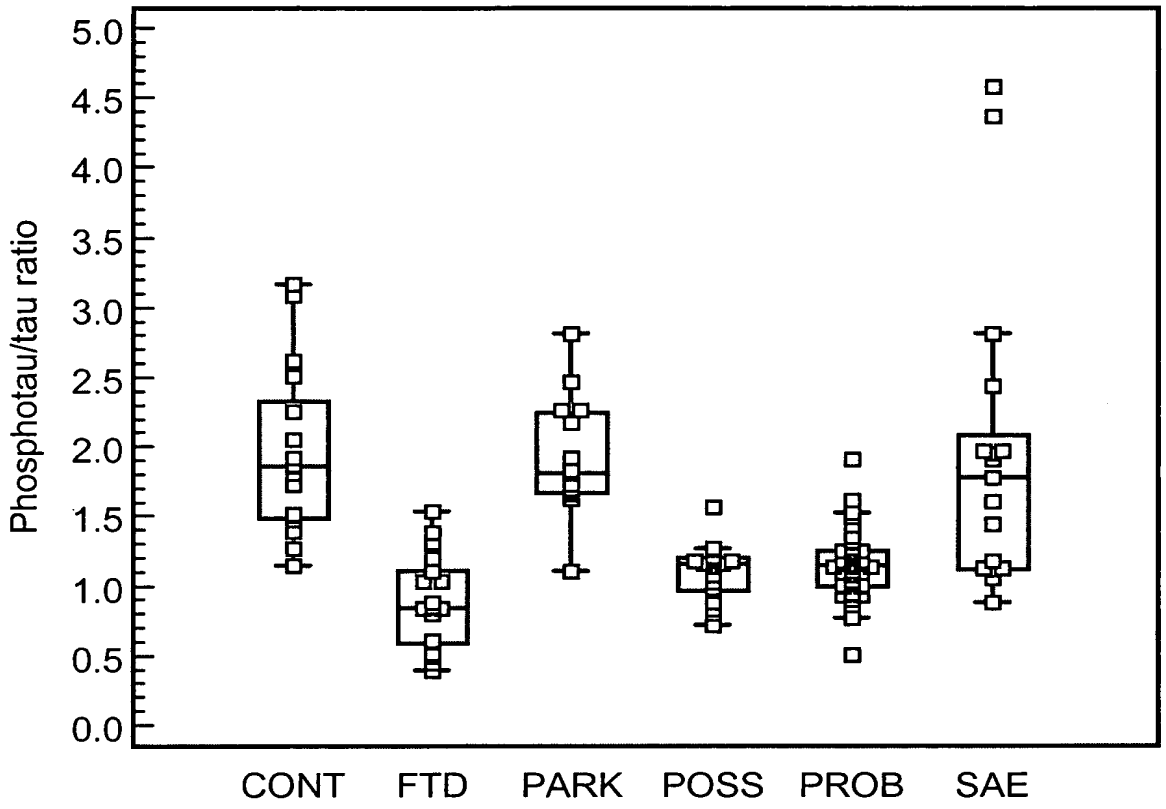
Phosphotau/tau ratio
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
CONT
FTD
PARK
POSS
PROB
SAE

Figure 7

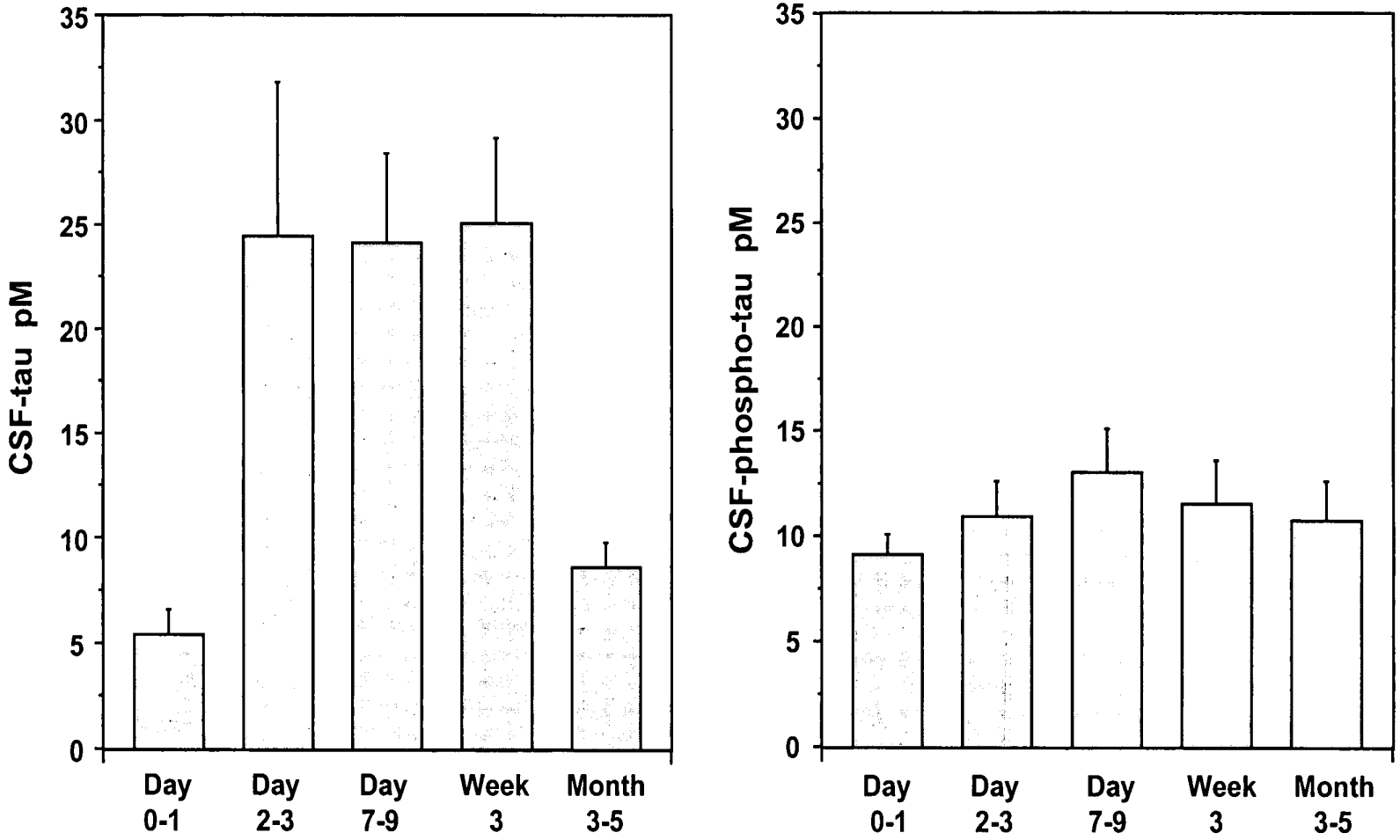
CSF-tau pM
35
30
25
20
15
10
5
0
Day 0-1
Day 2-3
Day 7-9
Week 3
Month 3-5
CSF-phospho-tau pM
35
30
25
20
15
10
5
0
Day 0-1
Day 2-3
Day 7-9
Week 3
Month 3-5

Figure 8

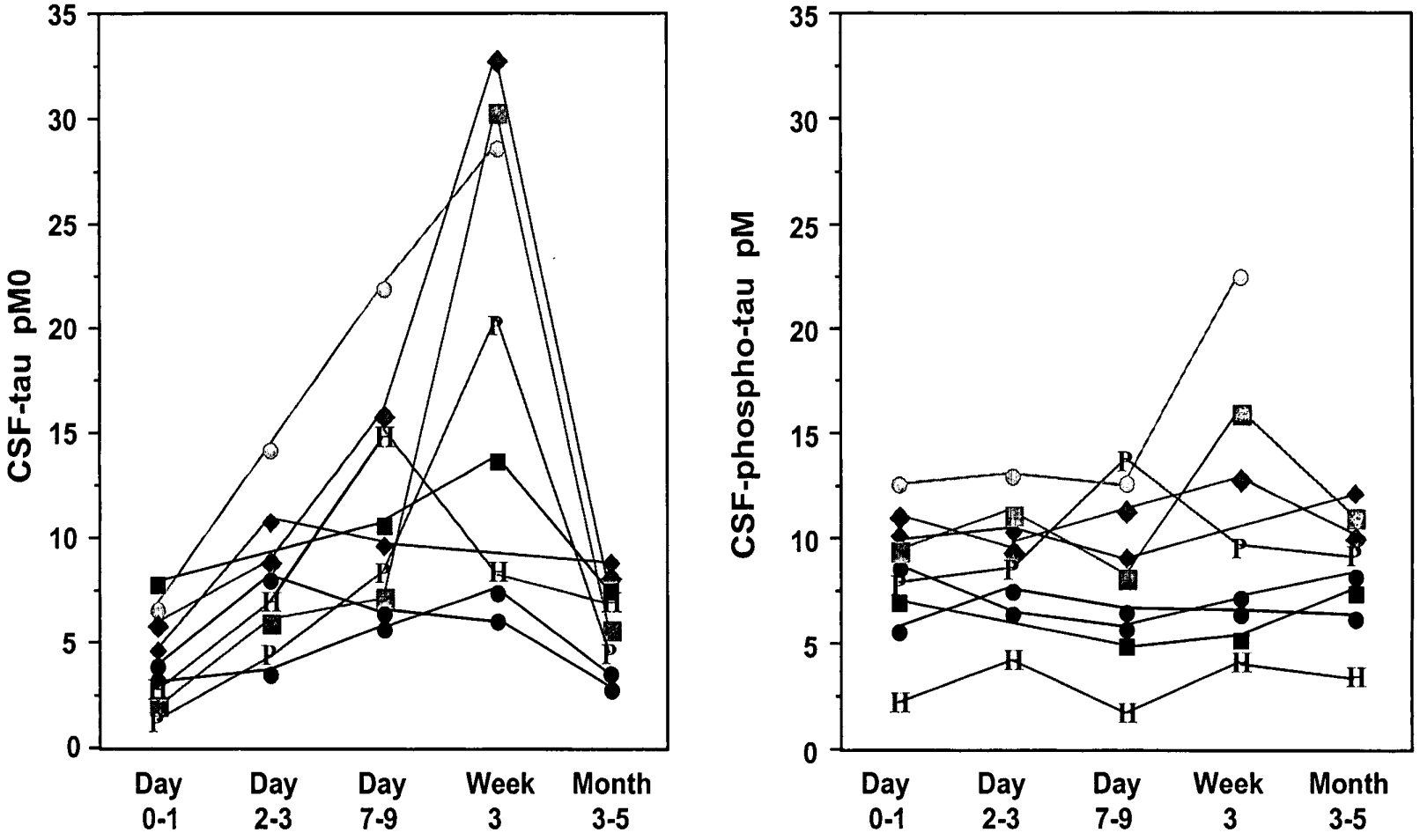
CSF-tau pM0
CSF-phospho-tau pM
35
30
25
20
15
10
5
0
Day 0-1
Day 2-3
Day 7-9
Week 3
Month 3-5
P
H

Figure 9

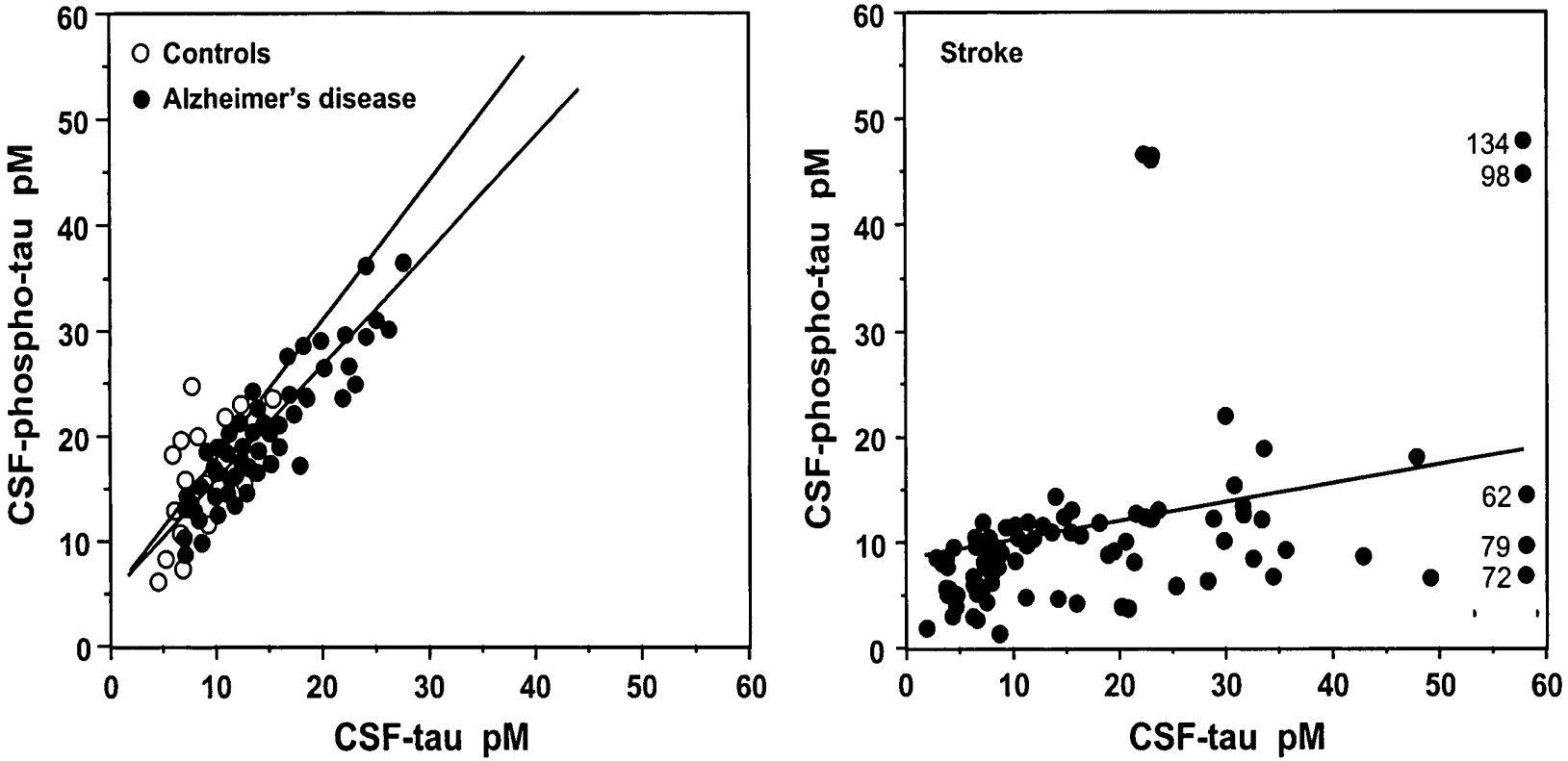
Controls
Alzheimer's disease
CSF-phospho-tau pM
CSF-tau pM
0
10
20
30
40
50
60
Stroke
134
98
62
79
72

Figure 10